PIAGGIO P.180 AVANTI MAINTENANCE MANUAL

Report: 180-MAN-0200-03832



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ATA Ch.	Item	Requirement	Α	В	С	D	Inter.
55-20-00	Elevator	Coin tapping test on lower and upper skin		Х		Х	
55-20-00	Elevator	Inspect electrical bonding connections for general condition and security of installation.		Х		X	
55-20-00	Elevator	Visual inspection for general condition.	Х	Х	Χ	Х	
55-20-00	Elevator	Remove and perform accurate visual inspection. Perform NDT test if required.				X	
55-20-00	Elevator Linkages	Inspect for corrosion, cracks and evidence of damage.Check hole ovalization.			X	Х	
55-20-00	Elevator Aircraft S/N: [1004-1019]; [1021-1033]	Bonding check (Ref. to AMM 20-20- 02 Page Block 200)		Х		X	

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ATA Ch.	Item	Requirement	Α	В	С	D	Inter.	
Chapter	Chapter 55-00-00 Stabilizers							
55-10-00	Horizontal Stabilizer Assembly	Visual inspection of upper and lower skins and leading edges for nicks, dents check electrical bonding connection for general condition.	Х	X	X	X	1Y	
55-10-00	Horizontal Stabilizer/Elevator Hinge Fitting Supports & Lugs	Accurate visual inspection of hinge fitting lugs and attachments.				X		
55-10-00	Horizontal Stabilizer/Elevator Titanium Support	Dye penetrant inspection for cracks.				X		
55-10-00	Horizontal Stabilizer Assembly	Remove and perform ultrasonic check by Pulse Echo of upper skin/lower skin/torque box bond. Electrical continuity check of grounding connections.				Х		
55-10-00	Horizontal Stabilizer Torque Box Assembly	Perform coin tapping test of upper skin to torque box.			Х			

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ATA Ch.	Item	Requirement	Α	В	С	D	Inter.
27-30-00	Angle of Attack Transmitter	Inspect for slot cleanliness and freedom of movement.					1Y
27-30-00	Control Columns	Check a complete stroke, friction and play, with stabilizer at the positions FULL UP - FULL DOWN - NEUTRAL (+2; -8; 0 degrees).			X	X	
27-30-00	Elevator Control System	Check smooth travel with stabilizer at -4.5 deg (spring at neutral condition) and verify spring proper effectiveness with stabilizer at full UP and full DOWN.	X	X	X	X	
27-30-00	Elevator Control System	Check the cable tension (Ref. to AMM Chapter 27-00-00 Page Block 200).		Χ		Х	
27-30-00	Elevator Control System	Release cable tension and inspect all components and their supports (cables, pulleys, cable guards, seals, levers, sectors and belicranks) for general condition, security of installation and evidence of damage. Check turnbuckle locking for security of installation (including the control wheel ones).				X	
27-30-00	Elevator Control System	Inspect the attachments of the cables to the extremity sectors. Inspect the cables at the passage through the rear pressurized bulkhead.		X		X	
27-30-00	Elevator Control System	Rod Adjustable Linkages - Verify the drain holes for cleanliness and general condition.				Х	

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